

# Excel VBA 2

MGMI 311

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# Control Logic – cont.

- Do While.....Loop
- Do Until .... Loop
- Do.....Loop While
- Do.....Loop Until

Check termination condition **before** take actions

Take actions **before** check termination condition



# Do while .... loop

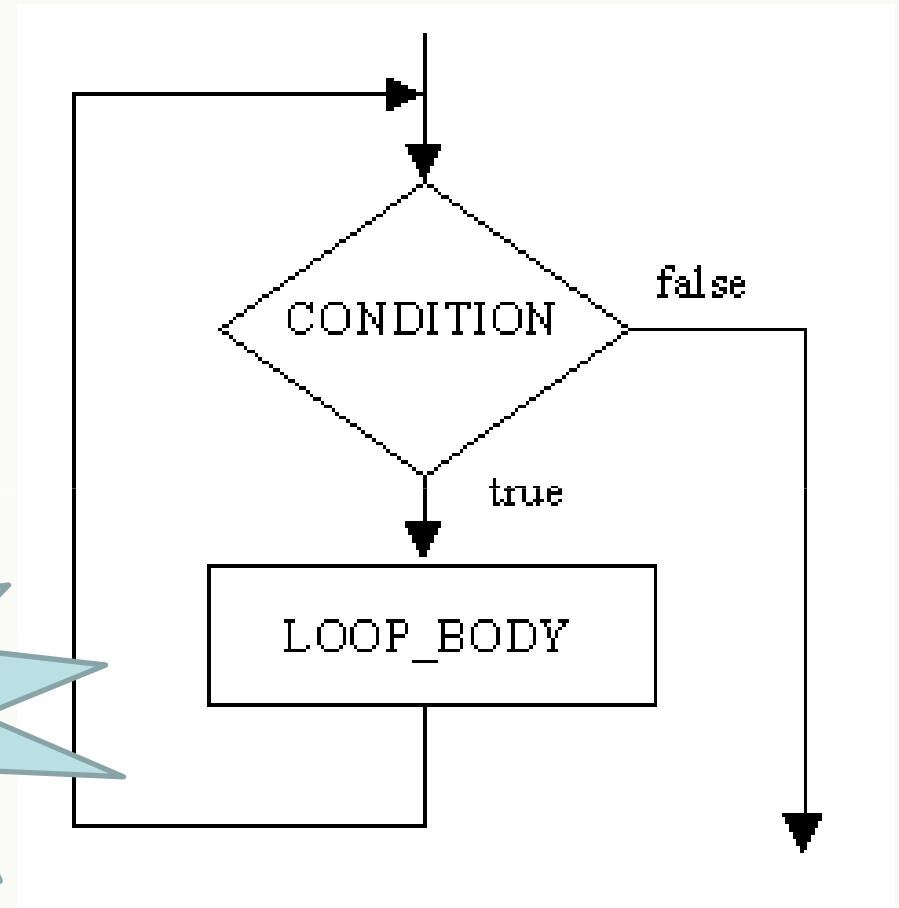
Do while Condition

Statement(s)

Update counter

loop

Loop if **TRUE**



# Do until .... loop

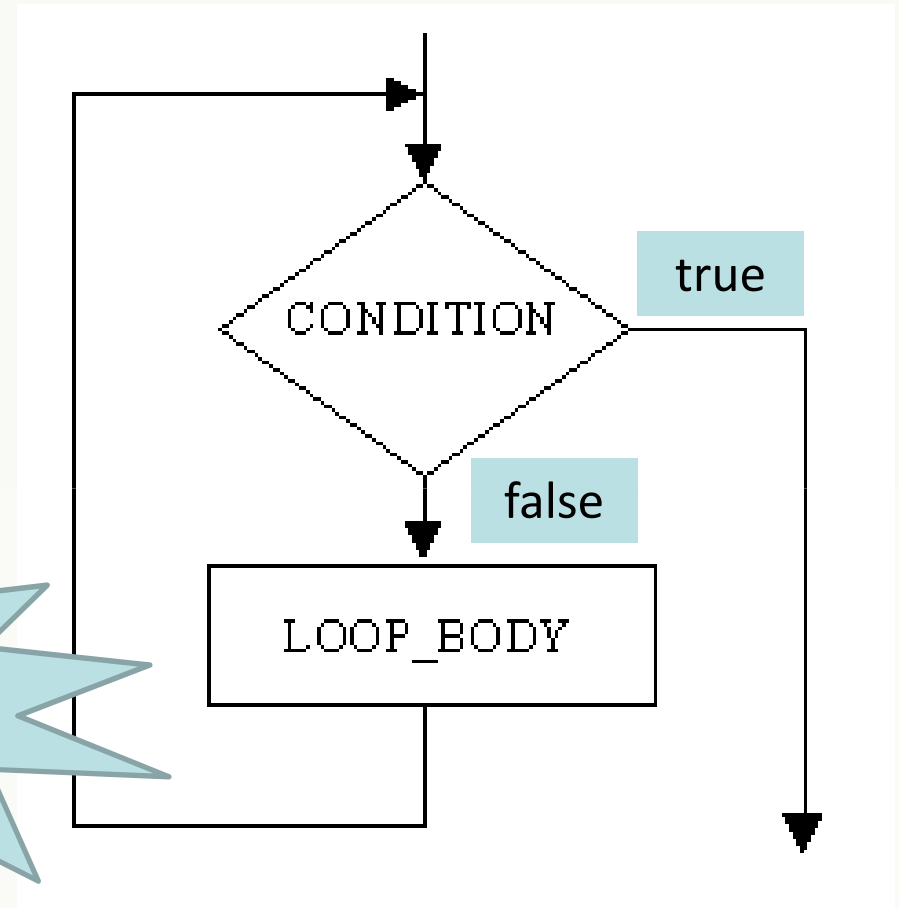
Do until Condition

Statement(s)

Update counter

loop

Loop if **FALSE**



# Exercise : Mobile Top-up

- Ask customer if he/she want to top-up his/her mobile
- Record mobile number & top-up amount in a table



# Exercise : Number Guess

- Player 1 : Set a number range from 1 to 100
- Player 2 : Can a chance to guess 3 times to WIN
  - When Player2 guess a number, Player1 has to inform if the number is greater or less than the target number



# Working with Range

- Use an address

e.g. `Range("A1")`, `Range("A1:B9")`

- Use a range name

e.g. `Range("name")`

- Use a Range object variable

e.g. `Dim sales As Range`

`Set sales = Range("A1:A10")`





# Working with Range

- Use the Cells property

e.g. `Range("A1:B9").Cells(2)`

= the second cell in the range

- Use the offset property

e.g. `Range("A1").Offset(2,3)`

= start in cell A1, then go 2 rows down  
and 3 column to the right





# Recorded Macro & VBA

- Record a macro from Excel
- Edit a macro in a VBE
  - Help understanding how to work with Range



# Exercise

- Ask for customer's first name and store it in the Firstname column
- Ask for last name and store it in the Lastname column
- Ask for the destination (province in Thailand)
- Calculate the distance the customer has to travel from his/her trip and the cost of the petrol

